

AMENDMENTS TO THE SPECIFICATION:

Please replace the first full paragraph on page 8, liners 6-14, with the following rewritten paragraph:

A signal generator ~~with-in~~ within P2 generates a signal at the chosen frequency, such as 2.45GHz, this is applied to the antenna coil L2 and thus generates an electro-magnetic field which, provided the memory tag 24 is sufficiently close to the data write device 38, penetrates the antenna coil L1 of the memory tag 24. By induction a voltage is thus generated in the antenna coil L1, this is rectified in circuit P1 and used to power the memory tag 24. The capacitance of the capacitors C1 and C2 is selected such that the resonant circuits are both resonant at the frequency generated by the signal generator, in order to ~~maximise~~ maximize transmitted signal strength and received signal.